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XXI. *Description of Notoclea, a new Genus of Coleopterous Insects from New Holland.* By Thomas Marsham, Esq. Tr. L.S.

Read February 17, 1807.

IN the variety of curious insects which I have received from New South Wales, there seems to be a number of new and distinct genera. Of these I have selected, as the subject of the following monograph, a genus which does not appear to me to have been noticed by any author. Even Mr. Donovan, in his last elegant and valuable work of the *Natural History of the Insects of New Holland*, &c. has suffered it to escape his notice. On the first glance the insects of this genus might be taken for *Chrysomelæ*, but on closer examination they will be found to differ from that genus in the shape of the body, and the last joint of the palpi; the antennæ also are more filiform, and the exterior margin of the elytra at the base is angular, and not rounded as in *Chrysomela* and *Coccinella*. The shape of the body and of the exterior palpi gives them a strong resemblance to *Coccinella*, but the antennæ totally exclude them from that genus. The dilated elytra of some specimens, particularly on the under side, claim an affinity with *Cassida*, but in that mark only they agree.

I have named this genus *Notoclea*, from  $\nu\acute{\omega}\tau\omicron\varsigma$ , *dorsum*, and  $\kappa\lambda\epsilon\acute{\iota}\omicron\varsigma$ , *celebris*, on account of the remarkable form and convexity of the back; and I have formed the generic character from the out-



ward and visible part of the insect; but for the accommodation of such entomologists as prefer characters from the *Instrumenta Cibaria*, I have inserted in a note the character of this genus so defined by my accurate and indefatigable friend the Rev. William Kirby, F.L.S., who, at my request, undertook that task. I shall only add one more observation, which is, that, numerous as this genus is in New Holland, I have never seen a single specimen from any other country, in the many cabinets that I have examined.

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## NOTOCLEA.

### CHARACTER GENERIS.

*Antennæ* filiformes.

*Caput* immune, deflexum.

*Thorax* transversus, dilatato-marginatus.

*Elytra* dilatato-marginata, angulo baseos exteriori acuto.

*Corpus* ovale, valde convexum, subtus planum\*.

### SPECIES.

\* *CORPUS* ex oblongo hemisphæricum, subtus planiusculum.

*CAPUT* insertum, parvum, transversum.

*Oculi* laterales, subreniformes, reticulati.

*Nasus* distinctus, postice obtusangulus, antice transversus.

*Labium* (seu *labium superius*) parvum, transversum, apice submarginatum.

*Labrum* (seu *labium inferius*) apice emarginatum, ex apice palpigerum.

*Valvulæ* breves, apice piloso palpiformi, e latere palpigeræ.

*Palpi exteriores* (seu *valvulares*) 4-articulati; articulo primo et baseos minutissimo; secundo longiori clavato incurvo subcompresso; tertio brevi clavato; ultimo magno compresso, securiformi, apice intus concavo.

*Palpi interiores* (seu *labiales*) triarticulati; articulis clavatis equalibus.

*Mentum* transversum, parallelogrammicum, interdum apice emarginatum.

*Maxillæ*



## SPECIES.

## 1. NOTOCLEA VARIOLOSA.

Not. picea, elytris punctis confluentibus flavis irroratis.

TAB. XXIV. Fig. 1.

Longitudo Corporis 7 lin. Latitudo 5 lin.

Habitat in Novâ Hollandiâ.

*Corpus* piceum, seu rufo-piceum, nitidum. *Caput* punctulatum, lineâ longitudinali postice excavatum. *Thorax* irregulariter punctatus; lateribus depressiusculis punctis magis excavatis confluentibus irroratis. Anguli antici thoracis sub-mucronati sunt. *Elytra* punctatissima, punctis confluentibus, punctis insuper difformibus elevatusculis flavis irrorata.

## 2. NOTOCLEA RETICULATA.

Not. flavescens, elytris sanguineis punctis elevatis flavis reticulatis.

TAB. XXIV. Fig. 2.

Long. Corp.  $4\frac{1}{2}$  lin. Lat.  $3\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ.

*Corpus* sordidè flavum, nitidum. *Caput* punctulatum, luteo nebulosum. *Antennæ* apicem versus paulo crassiores. *Thorax* sparsim punctatus, utrinque impressus, luteo nebulosus, angulis anticis acutis. *Elytra* sanguinea, punctis creberrimis

*Maxillæ* breves, validissimæ, incurvæ, apice bidentatæ intus concavæ.

*Antennæ* antice inter oculos et nasum in angulo frontis insertæ, subfiliformes, 11-articulatæ; articulo primo magno, tereti, subclavato, arcuato; secundo brevi, subconico; proximis duobus (interdum tribus) elongationibus subclavatis; reliquis ex conico oblongiusculis, compressis, subæqualibus, extimo acutiusculo.

elevatis



elevatis flavis confluentibus reticulata, et inter hæc puncta alia insuper innumera excavata conspicienda quæ etiam confluent; latera elytrorum item flava. Alæ sanguineæ.

### 3. NOTOCLEA ATOMARIA.

Not. flava antice pallido-testacea, antennis rufescentibus, thorace elytrisque punctatissimis: punctis impressis.

TAB. XXIV. Fig. 3.

Long. Corp.  $4\frac{1}{2}$  lin. Lat.  $3\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ. In Mus. Dom. Milne.

*Antennæ* præcipue extus rufescentes. *Os* et *Oculi* nigri. *Corpus* supra antice, capite scilicet, thorace et elytrorum basi, pallide testaceum, postice luteo-rufescens. *Caput* puncto ad basin fusco-rufescenti. *Thorax* medio pallescens punctulis obsoletis, ad margines punctis majusculis impressis fundo rufescentibus. *Elytra* ad basin pallidiuscula, postice luteo-rufescentia, punctis per totam paginam profunde impressis, fundo rufescentibus. *Corpus* subtus flavum, sive flavo-rufescens, abdominis segmentis basi nigro-fuscis. *Pedes* concolores.

### 4. NOTOCLEA LUTEA.

Not. lutea obscura, scutello tuberculisque aliquot elevatis flavis.

TAB. XXIV. Fig. 4.

Long. Corp. 7 lin. Lat. 5 lin.

Habitat in Novâ Hollandiâ.

*Corpus* supra totum luteum, obscurum. *Thorax* utrinque depressiusculus, punctulatus. *Oculi*, *Os* et *Abdomen* nigra. *Elytra* punctata, punctis numerosissimis impressis; per discum verrucæ aliquot, sive puncta elevata longitudinaliter posita,  
sita



sita sunt. Hæc ut et scutellum nitidiuscula, punctulis immunia, et amœne flava. *Abdomen* subtus nitidum, atrum. *Pedes* lutei.

Cum ex unico specimine hanc descriptionem tuli numerum tuberculorum sive punctorum elevatorum non ausus sum dicere. Tria majora in utroque elytro, longitudinaliter posita, præcipue visa sunt. Hinc inde unum aut alterum minus oculis objicitur.

#### 5. NOTOCLEA MACULATA.

Not. thorace utrinque emarginato, elytris fuscescentibus: lateribus maculisque luteis.

TAB. XXIV. Fig. 5.

Long. Corp. 4. lin. Lat  $3\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ.

*Corpus* rufo-piceum, nitidum. *Caput* sordide flavescens, luteo maculatum, punctulatum. *Antennæ* corpore dimidio breviores, filiformes, nigræ, basi flavæ. *Thorax* sordide flavus, luteo-maculosus, leviter punctulatus, lateribus depressiusculis, excavato-punctatis, puncto insuper majori impressis. Margo thoracis lateralis submarginatus, angulis anticis rotundatis. *Coleoptera* fusca, excavato-punctata, luteo maculata et punctata, maculis 4 majoribus dorsalibus quadratim positis. Latera elytrorum item flavescunt. Macula flava in elytris lævia sunt.

*Var. β* flavescens, elytris rufo-fuscis flavo maculatis, alia et simillima.

#### 6. NOTOCLEA QUADRIMACULATA.

Not. pallida, elytris scabro-punctatis: maculis duabus fuscis.

TAB.



## TAB. XXIV. Fig. 6.

Long. Corp. 5 lin. Lat.  $3\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ. In Mus. Dom. MacLeay.

*Caput* pallidum, lineâ medio nigrâ. *Antennæ* pallidæ, apice fuscescentes. *Thorax* flavescens, maculis duabus punctisque impressis ad latera nigris. *Elytra* pallida, sive pallido-testacea, scabro-punctata, punctis impressis fuscis, antice vage et postice substriatim positis. In utroque elytro maculæ duæ fuscæ, quarum una antice pallidior subrotunda, et altera postice subtrigona. *Corpus* subtus pallidum. *Pedes* testacei.

## 7. NOTOCLEA ORNATA.

Not. rufa nitidiuscula, elytris punctatissimis flavo striatim variis.

## TAB. XXIV. Fig. 7.

Long. Corp.  $3\frac{1}{4}$  lin. Lat.  $2\frac{1}{4}$  lin.

Habitat in Novâ Hollandiâ.

*Antennæ* dimidio nigræ, dimidio ad basin rufescentes. *Scutellum* saturatè rufum. *Thorax* ad latera præcipuè punctatus. *Elytra* rufa, punctatissima punctis impressis, maculis minutis flavis per totam paginam conspersa. Hæ autem maculæ omnes quasi per strias positæ sunt, tum formâ regulari rotundiusculâ, præterquam ad margines ubi difformes subinde evadunt, notabiles; unde ab *Not. variolosâ* abunde differt. Totum *Corpus* subtus unicolor rufescens. *Variat* flavus, rufus.

## 8. NOTOCLEA OBSOLETA.

Not. rufa, antennis oculis maculisque elytrorum decem obsoletis nigris.

## TAB. XXIV. Fig. 8.

Long. Corp.  $3\frac{1}{4}$  lin. Lat.  $2\frac{1}{4}$  lin.

Habitat



Habitat in Novâ Hollandiâ.

*Corpus* totum rufum. *Thorax* punctulatissimus, punctis vix sublente (præterquam ad margines ubi majores sunt) conspiciendis. *Elytra* punctatissima, punctis satis magnis impressis. In utroque elytro puncta decem nigra obsoleta, in tribus fasciis disposita. Quatuor puncta fasciam primam conficiunt, tres utramque exteriorem. *Abdomen* subtus et *pedes* paulo pallidiores.

9. NOTOCLEA MINOR.

Not. rufa, antennis testaceis, oculis fascisque tribus elytrorum nigris, elytris striatis.

TAB. XXIV. Fig. 9.

Long. Corp. 2 lin. Lat.  $1\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ.

Affinis maximè præcedenti, at satis differt, antennis testaceis, nec nigris; elytris striatis, neque irregulariter confertissimè punctatis; fascisque tribus nigris, fasciis continuis, neque interruptis sive punctis fasciæformibus dispositis. *Abdomen* subtus et *pedes* pallidiores.

10. NOTOCLEA TESTACEA.

Not. testacea tota, oculis antennisque nigris.

TAB. XXIV. Fig. 10.

Long. Corp. 3 lin. Lat. 2 lin.

Habitat in Novâ Hollandiâ.

*Corpus* totum testaceum, præterquam oculi atque antennarum articuli omnes extimi, qui omnes nigri. *Elytra* leviter striata, striis punctatis. Margines thoracis elytrorumque punc-



tati, punctis impressis. Est ubi certo lucis respectu, elytra nigro obsolete pulverulenta videntur. *Abdomen et pedes omninò testacei.*

11. NOTOCLEA STICTICA.

Not. nitidiuscula, thorace rufescenti, scutello atro, elytris subtestaceis nigro punctatissimis.

TAB. XXV. Fig. 1.

Long. Corp. 3 lin. Lat. 2 lin.

Habitat in Novâ Hollandiâ.

*Caput* rufescens, punctulis ad occiput duobus nigris. *Oculi* nigri. *Thorax* rufescens. *Scutellum* atrum, nitidum. *Elytra* thorace pallidiora sive testacea, punctis numerosissimis impressiusculis concinnè rotundatis conspersa. *Corpus* subtus testaceum, nitidum. *Pedes* testacei, geniculis plantisque nigris. *Thorax* et *elytra* ad margines punctata, punctis impressis. In utroque elytro tuberculum sive punctum humerale majus elevatum commatiforme, obscurum.

12. NOTOCLEA VERRUCOSA.

Not. obscura rufa punctatissima, elytris tuberculatis: tuberculis numerosis nigris.

TAB. XXV. Fig. 2.

Long. Corp.  $3\frac{1}{2}$  lin. Lat.  $2\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ.

*Corpus* suprâ, præter oculos et tubercula elytrorum quæ atra sunt, rufum. *Caput et thorax* immaculata, punctulatissima. *Scutellum* immaculatum, rufum. *Elytra* omninò punctata, punctis impressis, porrò per totam paginam tuberculis par-

vis



vis conspersa sunt, quorum unum in utroque elytro humerale majus, commatiforme. *Abdomen* nigro-rufescens. *Pedes* rufescentes, femoribus nigris.

13. NOTOCLEA BRUNNEA.

Not. nigro-rufa nitidiuscula, oculis nigris, elytris obsoletissime striatis.

TAB. XXV. Fig. 3.

Long. Corp. 5 lin. Lat.  $3\frac{1}{4}$  lin.

Habitat in Novâ Hollandiâ.

*Corpus* totum satis nitidum, castaneum, sive nigro-rufum. *Oculi* nigri. *Antennæ* castaneæ. *Thorax* utrinque scrobiculatus. *Elytra* striata, striis valde obsoletis. *Margo suturalis* tenuiformis nigricans. *Pectus* nitidum, nigrum. *Abdomen* et *pedes* brunnei.

14. NOTOCLEA IMMACULATA.

Not. fusca, capite thorace elytrorumque suturâ rubentibus.

TAB. XXV. Fig. 4.

Long. Corp.  $5\frac{1}{4}$  lin. Lat.  $4\frac{1}{4}$  lin.

Habitat in Novâ Hollandiâ.

*Corpus* fuscum, seu potiùs nigro-fuscum, nitidum. *Caput* fusco-rubrum, punctatum. *Antennæ* thorace longiores, basi tenuiores, flavescentes, apice fuscæ. *Thorax* fusco-ruber, punctatus: disco lævi, angulis anticis rotundatis. *Elytra* sparsim punctata: punctis excavatis, disco lævia apud suturam fusco-rubra. *Pedes* anteriores rubent. *Tarsi* articulo primo subtus longitudinaliter canaliculato.



## 15. NOTOCLEA LITURATA.

Not. thorace utrinque impresso, elytris rufo-castaneis: liturâ nigrâ.

TAB. XXV. Fig. 5.

Long. Corp. 4 lin. Lat. 3 lin.

Habitat in Novâ Hollandiâ.

*Caput* rufo-castaneum, puncto in occipite impresso. *Antennæ* corpore dimidio breviores, basi castaneæ, apice fuscæ. *Thorax* rufo-castaneus, marginatus, utrinque scrobiculatus. *Elytra* rufo-castanea, liturâ longitudinali nigrâ, antice intus angulatim inflexâ, postice attenuatâ at apicem haud attingente.

*Abdomen* antice nigrum, postice castaneum. *Pedes* castanei.

Macula elytrorum haud male Hebræam *Vau* refert.

*Variat* castanea, rufo-castanea, rufa.

## 16. NOTOCLEA PUNCTATA.

Not. nigro-rufa, oculis nigris, capite thorace elytrisque punctatissimis.

TAB. XXV. Fig. 6.

Long. Corp. 4 lin. Lat. 2½ lin.

Habitat in Novâ Hollandiâ.

*Antennæ* nigro-rufæ, articulo ultimo paulò saturatori. *Oculi* nigri. *Caput*, *thorax*, et *elytra* omnia punctatissima, punctis magnis impressis. Margo elytrorum exterior rufescens. *Abdomen* subtus nigrum, nitidum, apice brunneum. *Pedes* rufescentes.

## 17. NOTOCLEA CASTANEA.

Not. castanea, elytris punctis impressis striisque aliquot elevatis interruptis scabris.



## TAB. XXV. Fig. 7.

Long. Corp.  $4\frac{1}{2}$  lin. Lat.  $3\frac{1}{4}$  lin.

Habitat in Novâ Hollandiâ. In Mus. D. MacLeay.

*Caput* castaneum, ore pallidiore. *Antennæ* rufescentes. *Thorax* castaneus, punctatus, lateribus pallidioribus et scabris. *Elytra* castanea, punctata, scabra, punctis plurimis impressis et striis 7—8 elevatis interruptis, quasi ex punctis elevatis constantibus. *Corpus* subtus castaneum. *Pedes* paulo pallidiores, sive rufescentes.

## 18. NOTOCLEA SEXPUSTULATA.

Not. thorace utrinque impresso, coleoptris nigris: maculis sex rubris.

## TAB. XXV. Fig. 8.

Long. Corp. 6 lin. Lat. 5 lin.

Habitat in Novâ Hollandiâ.

*Caput* nigrum, ore rubro. *Antennæ* piceæ corpore dimidio breviores. *Thorax* niger, marginatus, utrinque scrobiculatus, lateribus rufis. *Elytra* nigra, punctulata, punctato-striata, maculis tribus rubris, quarum una thoraci proxima major est, duæ prope apicem transversim positæ. *Corpus* subtus atrum, nitidum. *Pedes* nigri.

## 19. NOTOCLEA LINEATA.

Not. atra, elytris punctato-striatis: lineis duabus maculisque duabus baseos rubris.

## TAB. XXV. Fig. 9.

Long. Corp. 5 lin. Lat.  $3\frac{1}{2}$  lin.

Habitat in Novâ Hollandiâ. In Mus. Dom. MacLeay.

*Caput*



*Caput* atrum, ore piceo. *Antennæ* nigræ, basi rubræ. *Thorax* ater, punctatus, nitidus. *Elytra* atra, nitida, punctato-striata, lineâ rubrâ prope marginem et aliâ abbreviatâ ad suturam postice positâ. Ad basin maculæ duæ rubræ, quarum una longa lineolæ instar prope scutellum est, et altera minor subtrigona juxta lineam exteriorem. *Corpus* subtus atrum, nitidum. *Pedes* nigri, femoribus piceis.

20. NOTOCLEA OCTOMACULATA.

Not. rubra, coleoptris maculis octo difformibus atris.

TAB. XXV. Fig. 10.

Long. Corp. 4 lin. Lat. 3 lin.

Habitat in Novâ Hollandiâ. In Mus. Dom. Milne.

*Antennæ* atque *oculi* atris. *Caput* rubrum. *Thorax* ruber, maculis tribus atris, quarum media triloba est, et duæ laterales reniformes. *Scutellum* atrum. *Elytra* rubra, sub lente obsoletius punctato-striata. In utroque maculæ quatuor atræ, quarum duæ minores sub-reniformes ad basin, altera ad medium arcuata, et quarta ad apicem linearis longitudinaliter posita. *Corpus* subtus nitidum. *Sternum* rubrum. *Abdomen* atrum, marginibus rubris. *Pedes* atris.

Since the preceding Monograph was read to the Linnean Society, I have received M. Latreille's *Genera Crustaceorum et Insectorum*, printed at Paris in 1807; and I find that the genus *Notoclea* was known to that celebrated entomologist. It forms the first family of his 328th genus, *Chrysomela*, under the name of *Coccinelloides*, to which he gives the following character: "*Corpus sub-hemisphæricum; palpi maxillares articulo ultimo obtrigono.*"

For



*Directions for placing the Plates of the Ninth Volume.*

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